TASCO MARINE

DIVISION OF TAUNTON STOVE CO., INC.

490 SOMERSET AVENUE • NO. DIGHTON, MASSACHUSETTS

617 • 823 • 0786/0787

LPG COUNTERTOP STOVE

OWNER'S MANUAL

STANDARD FEATURES:

- PUSH BUTTON IGNITION
- ONE SET OF POT HOLDERS
- SEA RAIL
- ALL STAINLESS STEEL CONSTRUCTION
- LOCKING TOP GRID IS QUICKLY REMOVED FOR CLEANING
- RUBBER SNAP-IN FEET FOR FREE STANDING USE ON COUNTER AND ANCHOR BRACKETS FOR CABINET MOUNTING OR PERMANENT COUNTER TOP MOUNTING.

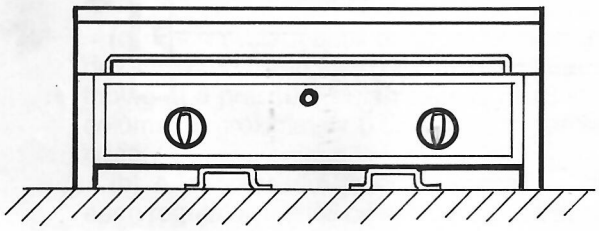
• SPECIFICATIONS•

BURNER OUTPUT: 4500 BTU

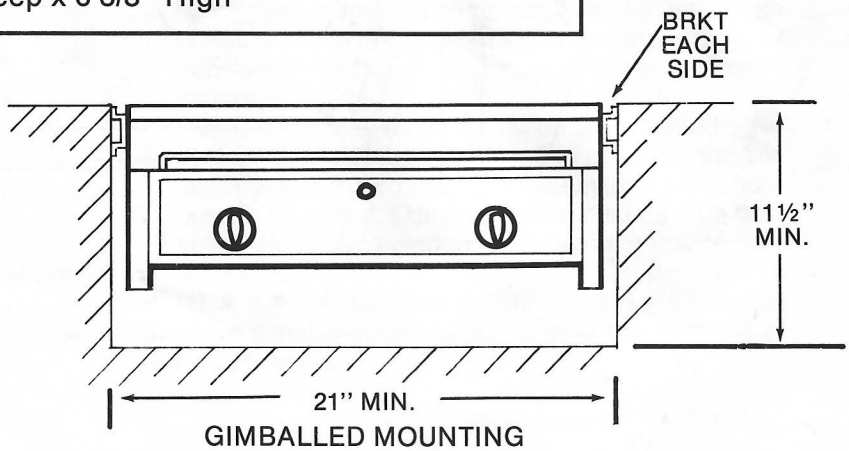
FUEL: Propane or Liquified Petroleum Gas

SUPPLY PRESSURE: 11 Inches Water Column (.43 PSI)

SIZE: 20" Wide x 11" Deep x 6 3/8" High



COUNTER TOP MOUNTING



GIMBALLED MOUNTING
(13" DEEP MIN.)

MODEL 250LP (Shipping Weight 14 Lbs.) . . . _____

MODEL G250LP GIMBAL KIT (Shipping Weight 7 Lbs.) . . . _____

MODEL G250 GIMBAL KIT FOR COUNTERTOP STOVE

The Model G250 Gimbal Kit installs quickly on any Tasco Series 250 Countertop Stove. When properly installed the stove will sit level when free gimballing. Check the hardware kit to verify the following contents:

ITEM	DESCRIPTION	QUANTITY
1	Gimbal Pin	2
2	#10 Flat Washer	2
3	#10 Split Washer	2
4	#10 x ½ Bolt	3
5	#10 x 1 Screw	6
6	#10 Hollow Washer	6
7	Gimbal Bracket	2
8	#10 External Washer	1
9	Counterbalance Plate	1
10	Hook and Eye Assembly	1

INSTALLATION

Refer to Figures 1, 2, and 3 for installation of Gimbal Kit.

1. Install Gimbal posts on stove and Gimbal brackets to cabinet wall as shown in figures 1 and 2. A block of wood may be needed as a spacing shim between bracket and cabinet wall if the opening exceeds 21 inches wide. If stove is to be installed flush with the countertop level, install brackets flush.
2. The bottom of the stove housing has a slot for adjusting weight position to level the stove. Loose assemble the bolt into the weight as shown in figure 3 and mount the stove into the brackets. Place a pan with 1-2 quarts of water on the stove top. Move the weight as required to balance the stove and tighten the bolt.

FIGURE 1.

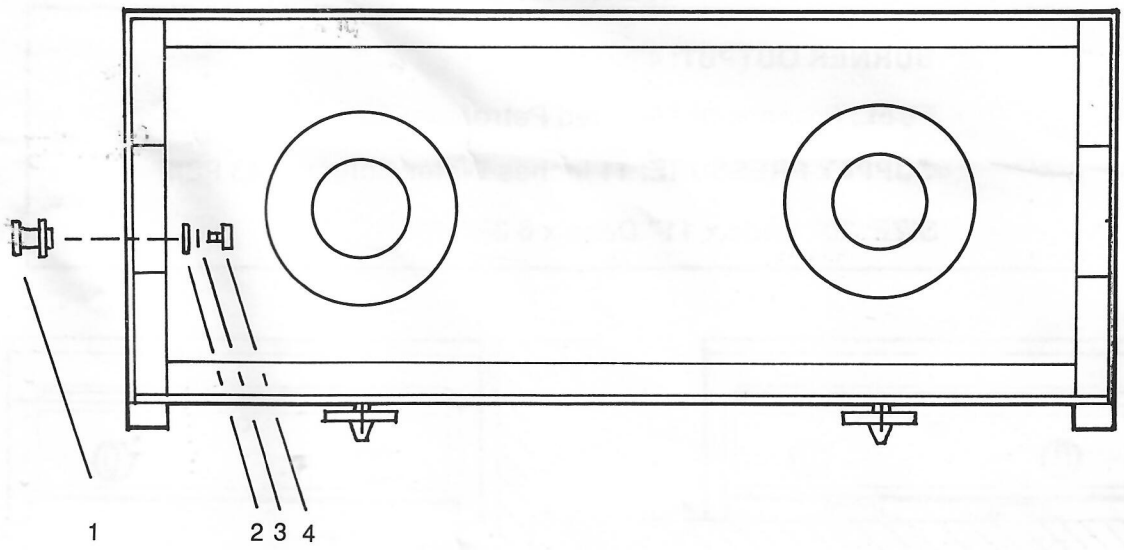
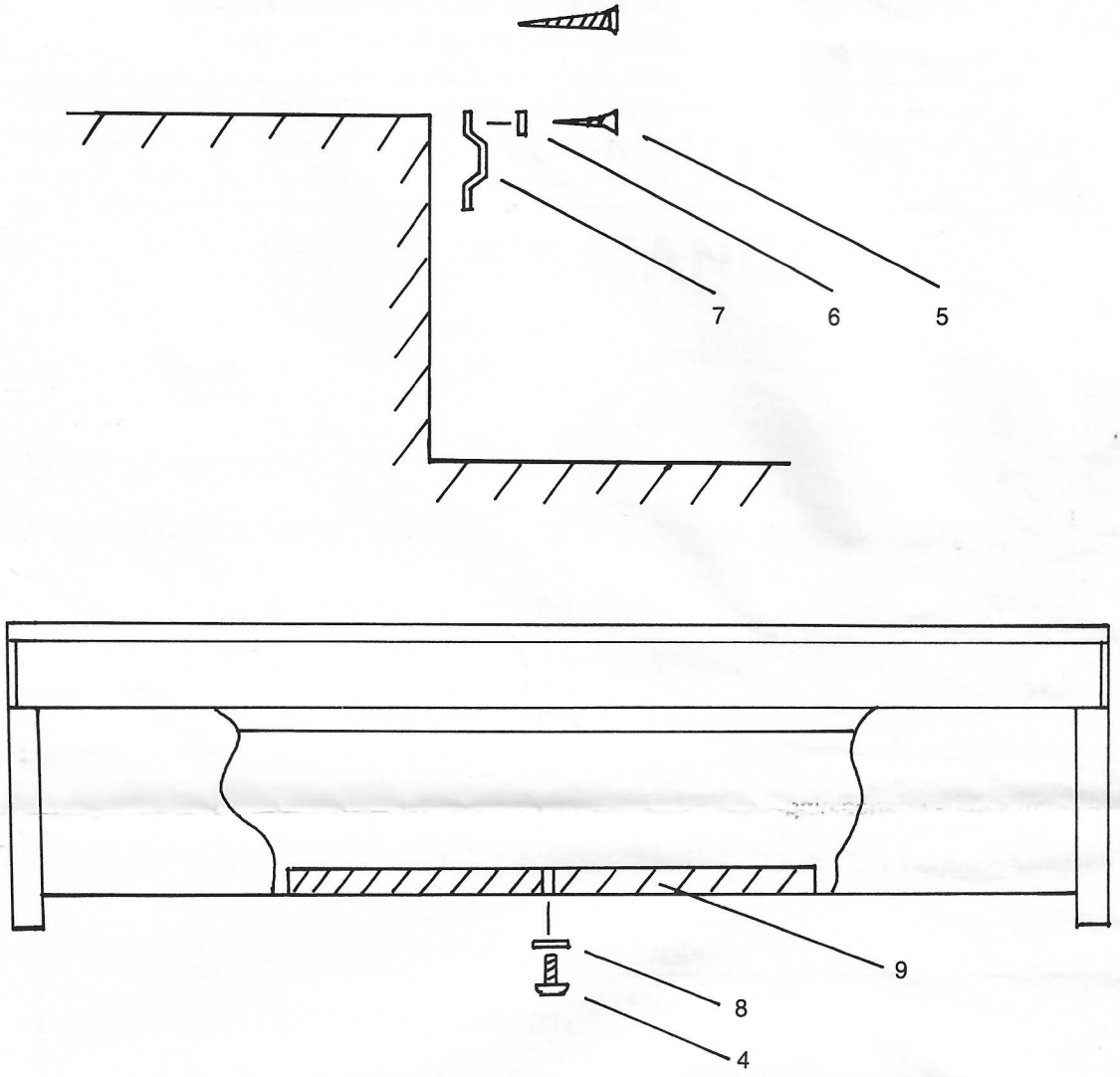


FIGURE 2.



NOTE: For proper Gimballing there should be a flexible hose feedline into the stove. Install a grommet at the through point in the cabinet to prevent chafing.

OPERATION

1. Always provide adequate ventilation when operating this appliance.
2. To light a burner, push knob in and turn to the "Full On" position.
3. Immediately depress red starter button until the burner lights.
4. If the burner fails to light after 3-4 cycles of the starter button, simply turn the knob off and reposition the electrode tip to point directly at the burner head flame port.
5. Leak test the appliance connections and your entire fuel system periodically to insure its safety.

EXCERPTS FROM NFPA NO. 302-1972

CHAPTER 4. COOKING, HEATING AND AUXILIARY APPLIANCES

40. Open flame devices are more liable to promiscuous, unskilled or ignorant operation than any other boat equipment involving fire risk. It is therefore imperative that such items be selected and installed with the aim of minimizing personal and physical hazards.

41. Cooking Equipment.

411. Galley stoves shall be manufactured, approved and labeled for marine use. Printed instructions for proper installation, operation and maintenance shall be furnished by the manufacturer. A durable and permanently legible instruction sign covering safe operation and maintenance shall be provided by the manufacturer and installed on or adjacent to the consuming appliance, where it may be readily read.

(a) Stoves shall be installed in adequately ventilated areas to comply with Paragraph 113.

(b) Stoves shall be securely fastened when in use and when stored.

(c) Any burner system that may affect safety by reason of motion of the boat shall not be used.

(d) All woodwork or other combustible materials above stove tops and all wooodwork or combustibles immediately surrounding stoves shall be effectively insulated with noncombustible materials or sheathing.

42. Liquified Petroleum Gas Systems.

In the interest of safety it is important that the properties of liquified pertroleum gases be understood and that safe practices for their use be followed. Under moderate pressure the gases liquefy; upon relief of the pressure they are readily converted into the gaseous state. Advantage of this characteristic is taken in their usage, and for convenience they are shipped and stored under pressure as liquids. In their gaseous state they present a hazard comparable to any flammable natural or manufactured gas, except that they are heavier than air. Although the vapors tend to sink to the bottom of an enclosed compartment into which they are released, they will difuse throughout, and are not readily dispelled by overhead ventilation. Safety requires the prevention of escape of any liquified petroleum gases, for when mixed with air in certain proportions they will explode if ignited.

NOTE: Attention is invited to U.S. Coast Guard regulations which prohibit the use of liquified petroleum gas on certain vessels.

422. General.

(a) Liquified petroleum gas systems shall be designed and installed in accordance with provisions outlined herein and shall be subject to inspection and approval of the authority having jurisdiction.

(b) Only systems of the vapor withdrawal type are permitted. Containers designed or installed so as to admit liquid gas into any other part of the system are prohibited.

(c) Comprehensive printed instructions and a labeled diagram covering details of proper installation and operation shall be furnished with each system installed on a boat and shall be kept on board for ready reference.

(d) All liquified petroleum gases shall be effectively odorized by an approved agent of such character as to indicate positively, by a distinctive odor, the presence of gas down to concentration in air of not over one-fifth the lower limit of combustibility.

(e) All component parts of systems other than containers and low pressure distribution tubing between regulators and appliances shall be approved for marine use and should be so listed or labeled.

(f) All component parts of systems, subject to container pressures shall have a rated working pressure of at least 250 pounds per square inch gage.

(g) With each liquefied petroleum gas system installed on a boat, at least two of the signs required by Paragraph 411 shall be provided. These signs shall include:

CAUTION

1. Keep container valves closed when boat is unattended. Close them immediately in any emergency.

2. Be sure all appliance valves are closed before opening container valve.

3. Always apply lit match or other flame to burner before opening burner valve.

4. Close master valve on appliance whenever appliance is not in use.

5. Test system for leakage at least twice a month and after any emergency in accordance with the following procedure.

With appliance valves closed, the master shutoff valve on the appliance open, and with one container valve open, note pressure on the gage. Close container valve. The pressure should remain constant for at least 10 minutes. If pressure drops, locate leakage by application of liquid detergent or soapy water solution at all connections. Repeat test for each container in multi-container system. NEVER USE FLAME TO CHECK FOR LEAKS.

(h) The required caution signs shall be installed in plainly visible locations, (1) on the outside of each container enclosure and (2) adjacent to each consuming appliance.

423. Containers.

(a) Containers shall be constructed, tested, marked, maintained, requalified for continued service, and refilled:

(1) In accordance with the regulations of the U.S. Department of Transportation (DOT) for containers for LP-Gas service, or

(2) In accordance with equivalent specifications or regulations determined by the authority having jurisdiction.

(b) Containers shall be condemned and withdrawn from service when they leak, when corrosion, denting, bulging or other evidence of rough usage exists to the extent they may be weakened appreciably, or when they have been involved in a fire.

424. Valves and Safety Relief Devices.

(a) Each container shall have a manually operated shutoff valve installed directly at the container outlet, which should be equipped with a securely attached hand wheel for convenient operation without the use of a separate wrench.

(b) All containers shall be provided with safety relief devices as required by DOT regulations or equivalent thereto.

(c) Container valves and safety relief devices shall have direct connection with the vapor space of the cylinder.

(d) In addition to the valve required at the container, a dual system shall be provided with a two-way positive shutoff valve of manually operated type, or equivalent, at the manifold.

(e) Discharge of the safety relief valves shall be vented away from the container(s) into the open atmosphere, if practicable, but in all cases so as to prevent impingement of escaping gas onto the container.

425. Reducing Regulator.

(a) Each system shall be provided with a regulating device, so adjusted as to deliver gas to the distributing tubing at a pressure not in excess of 18 inches water column, approximately 0.653 pounds per square inch gage.

(b) A low pressure relief valve shall be integral with each regulator; it shall be set to start to discharge at not less than two times and not more than three times the delivery pressure.

(c) The relief valve and the space above regulator and relief valve diaphragms shall be vented to the atmosphere. This may be accomplished through a common outlet, vented to a point at least two feet distant (and farther if possible) from any part of an opening to the cabin or hull interior or from an engine exhaust which is below the level of such discharge.

(d) The outlet termination shall be turned downward to prevent water entering the discharge.

(e) Each reducing-regulator shall be fitted with a pressure gage. This gage shall be on the high pressure side of the regulator. The purpose of the pressure gage is to provide a convenient and quick means of testing the system, from the container valve to and including the appliance valves, for leakage. It is recommended that this test be made at least once every two weeks and after any emergency. No leakage, even of a seeping character, shall be tolerated.

426. Piping and Fittings.

(a) All low pressure distribution tubing between regulator and appliances shall be copper tubing of standard type K or L or equivalent. All high pressure tubing between containers and regulators shall be type K or equivalent.

(b) Flexible sections used to allow free swing of gimbaled stoves shall be approved for marine use.

(c) Tube connecting fittings shall be in accordance with Paragraph 322(c); or connections may be soldered or brazed with a material having a melting point in excess of 1000°F.

427. Appliances

(a) All gas consuming appliances shall be approved for marine use.

(b) Cooking stoves, service water heaters, cabin heaters, etc., shall comply with applicable provisions of Sections 41-43, and the following:

(1) All appliances designed for operation with pilot lights, glow plugs, switches, etc., shall have them so protected as to prevent ignition of external vapors or addition of further combustible material to those vapors.

(2) Cabin space heaters shall be of the sealed combustion chamber type, designed to provide complete separation of the combustion system from the atmosphere of the boat. Combustion air inlet and flue gas outlet shall be provided as integral parts of the appliance.

(c) A master packless shutoff valve, controlling all burners simultaneously is required at the manifold of each appliance.

Tasco Marine

Div. of Taunton Stove Co., Inc.
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STOVE LIMITED WARRANTY

Each new Tasco stove is warranted to be free from defects in material or workmanship under normal use and service; our obligation under this warranty being limited to making good at our factory any part or parts thereof which shall, within twelve months of date of original installation, but in no event more than twenty-four months from date of sale to original purchaser, fail to perform the intended function, and which our examination shall disclose to our satisfaction to have been thus defective. The stove must be returned to us with transportation charges prepaid to the address indicated below or to one of the Tasco Warranty Service Centers whose names and addresses will be furnished on request. We neither assume nor authorize any other person to assume for us any liability in connection with the sale of our product. This warranty shall not apply to any product which shall have been repaired or altered so as in our judgement to affect its stability or reliability, nor which has been subject to misuse, negligence or accident.

This limited warranty does not extend to any consequential damages which may be suffered because of failure of the product. Consequential damages include any loss of profit, property damage or personal injury.

This limited warranty shall not be in full force and effect until the attached warranty registration card is received by Tasco, completely filled out and signed at the time of original installation.

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